Please cancel dependent claims 2 & 3 and combine into main claim 1:

1. (Currently Amended) An arrangement ~~(10)~~ for cooling a component, comprising

~~which arrangement comprises:~~

a pump ~~(24)~~ for pumping a coolant ~~(52)~~, which pump ~~(24)~~ ~~comprises~~ has a pump rotor ~~(84)~~ composed of a mass of non-magnetic material with a plurality of magnetized magnetic particles or segments embedded in said mass of non-magnetic material;

a fan ~~(30) that comprises~~ having a fan rotor ~~(78) associated with which is~~ and an electric motor ~~(76)~~ to drive it,

a magnet cup connected to the fan rotor,

the pump rotor ~~(84)~~ and the fan rotor ~~(78)~~ being separated from one another in fluid-tight fashion and drivingly connected to one another via a magnetic coupling ~~(80, 84)~~ occurring, during rotation, by magnetic interaction among said magnet cup and said pump rotor.

2. (Cancelled)

3. (Cancelled)

4. (Previously Presented) The arrangement according to claim 1,

the pump rotor (84) comprising a plurality of pump vanes (86) for generating a flow of the coolant (52).

5. (Original) The arrangement according to claim 4,

the pump vanes (86) being implemented integrally with the pump rotor (84).

6. (Currently Amended) The arrangement according to claim 1, the fan (30) ~~comprising~~ having a fan housing (71) and the pump (24) ~~comprising~~ having a pump housing (82); and further comprising

~~having~~ a pump retaining member (72) that connects the fan housing (71) to the pump housing (82).

7. (Previously Presented) The arrangement according to claim 6, wherein the fan housing (71) and the pump retaining member (72) are implemented integrally.

8. (Currently Amended) The arrangement according to claim 1, ~~which comprises~~ further comprising

a heat exchanger (28) for cooling the coolant (52), which exchanger is located in an air flow region of the fan (30) and is in fluid communication with the pump (24) for the coolant (52).

9. (Previously Presented) The arrangement according to claim 8, wherein the heat exchanger (28) is implemented as a flat-tube heat exchanger.

10. (Previously Presented) The arrangement according to claim 8,

the heat exchanger (28) comprising a plurality of plates (96) for the passage of air.

11. (Original) The arrangement according to claim 10,

the plates (96) comprising a plurality of shutters (130, 135) for improving the absorption of heat by the air passing through.

12. (Previously Presented) The arrangement according to claim 8,

the heat exchanger (28) comprising a heat exchanger housing (88) and the fan (30) comprising a fan housing (71); and

the heat exchanger housing (88) and fan housing (71) being implemented integrally.

13. (Previously Presented) The arrangement according to claim 12,

further comprising

a pump retaining member (72) that connects the fan housing (71) to the pump (24),

the heat exchanger housing (88), the fan housing (71), and the pump retaining member (72) being implemented integrally.

14. (Previously Presented) The arrangement according to claim 8,
which comprises a heat absorber (20) for cooling a component,
which heat absorber (20) is in fluid communication both with the pump (24) and with the heat exchanger (28) and forms with them a coolant circuit.

15. (Original) The arrangement according to claim 14,
the heat absorber (20) being implemented as a flat-tube heat absorber.

16. (Previously Presented) The arrangement according to claim 15,
the heat absorber (20) comprising a heat absorption element (64) that is manufactured from a material selected from the group consisting of copper and aluminum.

17. (Previously Presented) The arrangement according to claim 14,
the heat absorber (20) comprising external cooling fins.

18. (Previously Presented) The arrangement according to claim 14, an additional fan being associated with the heat absorber (20) for cooling.

19. (Previously Presented) The arrangement according to claim 14, comprising a component (12) to be cooled,
a heat transfer improvement medium, being arranged between the heat absorber (20) and the component (12) to be cooled.

20. (Cancelled).

21. (Cancelled).

22. (Currently Amended) The arrangement according to claim ~~21~~ 1, wherein the temperature sensor (120) is a Negative Temperature Coefficient (NTC) resistor.

23. (Currently Amended) The arrangement according to claim ~~21~~ 1, wherein the temperature sensor (120) is located adjacent the heat absorber (20).

24. (Currently Amended) The arrangement according to claim ~~21~~ 1, wherein

the temperature sensor (120) is arranged adjacent a component (12) to be cooled.

25. (Currently Amended) The arrangement according to claim ~~21~~ 1, wherein

the temperature sensor (120) is arranged at least partly in the coolant in thermally conductive relation to a circuit of said coolant.

26. (Previously Presented) The arrangement according to claim 1, wherein the fan (30) is implemented as a radial fan.

27. (Previously Presented) The arrangement according to claim 1, wherein the fan (30) and the pump (24) are connected detachably to one another.

28. (Previously Presented) The arrangement according to claim 27,

the fan (30) and the pump (24) being connected to one another via a quick-release coupling.

29. (Previously Presented) The arrangement according to claim 1, further comprising metal conduits for fluid circulation of said coolant.

30. (Previously Presented) The arrangement according to claim 1, wherein

the fan (30) is formed with a fluid conduit (100) for conveying a coolant (52) therethrough.

31. (Original) The arrangement according to claim 30,

wherein the fan (30) comprises a fan housing (71), and the fluid conduit (100) is implemented in the fan housing (71).

32. (Original) The arrangement according to claim 31,

wherein the fan housing (71) comprises cooling fins.

33. (Previously Presented) The arrangement according to claim 31,

wherein the fan housing (71) comprises a thermally conductive plastic.

34. (Previously Presented) The arrangement according to claim 30,

wherein the fan (30) comprises a stator (76) having electrical components, the fluid conduit (100) being routed past the electrical components of the stator (76) for cooling.

Please cancel dependent claim 42 and combine into claim 35:

35. (Currently Amended) A method ~~for~~ of cooling a component, using an apparatus including

a temperature sensor (120),

a fan (30) having ~~that comprises~~ a fan rotor (78) and a drive motor (76),

~~using~~ a pump (24) having ~~with that comprises~~ a pump rotor (84),

~~using~~ a coolant (52) that is pumpable by means of the pump (24),

~~using~~ a magnetic coupling (80, 84) that drivingly connects the fan rotor (78) and the pump rotor (84), and

a drive motor rotational speed controller (122),

comprising the ~~following~~ steps of:

~~A)~~ sensing temperature using said temperature sensor (120) and generating a corresponding temperature output value,

associating said temperature output value, in said rotational speed controller (122), with a corresponding target rotation speed,

driving the fan rotor (78) toward said target rotation speed ~~has a rotational motion imparted to it~~ by means of the drive motor (76) in accordance with control signals applied by said speed controller to said motor (76);

~~B)~~ imparting a rotational motion to the pump rotor (84) ~~has a rotational motion imparted to it~~, via the magnetic coupling (80, 84), by means of the rotational motion of the fan rotor (78); and

~~C)~~ causing the coolant (52) ~~is caused~~ to flow by the rotational motion of the pump (84).

36. (Original) The method according to claim 35,

using a heat exchanger (28) to cool the coolant, which exchanger is in fluid communication with the pump (24),

which method additionally comprises the following steps:

A2) air is caused to flow by the rotational motion of the fan rotor (78);

C2) the coolant (52) is pumped through the heat exchanger (28) by the pump (24);

C3) the coolant is cooled by the flow of heat from the coolant (52) to the air that has been caused to flow.

37. (Original) The method according to claim 36,

using a heat absorber (20) to cool a component, which exchanger is in fluid communication with the pump (24) and the heat exchanger (28),

which method additionally comprises the following step:

C4) the coolant (52) is pumped through the heat absorber (20) by the pump (24).

38. (Original) The method according to claim 37,

the pump (24), the heat exchanger (28), and heat absorber (20) forming a coolant circuit,

which method additionally comprises the following step:

C5) the coolant is pumped through the coolant circuit in the sequence: pump (24), heat exchanger (28), heat absorber (20), pump (24).

39. (Original) The method according to claim 38,

the pump (24), the heat exchanger (28), and the heat absorber (20) forming a coolant circuit,

which method additionally comprises the following step:

C6) the coolant (52) is pumped through the coolant circuit in the sequence: pump (24), heat absorber (20), heat exchanger (28), pump (24).

40. (Previously Presented) The method according to claim 36, using a housing, in which the heat exchanger is located, which method additionally comprises the following step:

A3) the air heated by the heat exchanger (28) is discharged directly from the housing.

41. (Previously Presented) The method according to claim 40, further comprising the step of:

A4) directing the air flowing into the housing, as a result of the rotational motion of the fan rotor (78), over further components located in the housing.

42. (Cancelled).